

MISSOURI

2019 RECYCLING REPORT



ACKNOWLEDGMENTS

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Division of General Services**

Special thanks to the **Department of Natural Resources' Waste Management Program, Missouri Interagency Recycling Committee (MIRC), Missouri's Market Development Program**, and department recycling coordinators and purchasing staff who contributed to this report. Recognition also goes to the **Department of Natural Resources' Energy Division** for calculating the economic and environmental savings of state government recycling. The **Missouri State Recycling Program** thanks all state employees for their ongoing efforts to reduce, reuse, recycle, and buy recycled-content products.

State of Missouri

Office of Administration

Division of General Services

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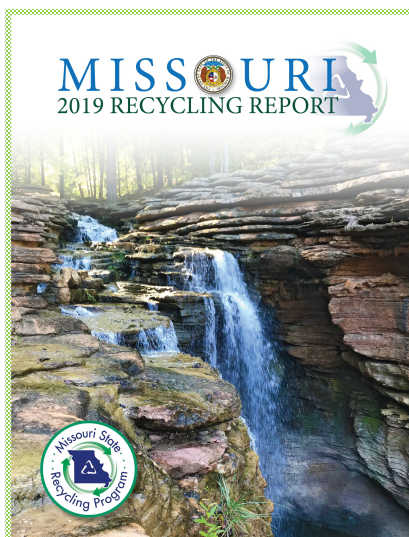
oa.mo.gov/general-services/missouri-state-recycling-program

Questions or comments regarding this report or the MSRP may be directed to the State Recycling Manager.

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Cover Photo: We would like to thank Jennifer Bunselmeyer for the photo she contributed on the front page of this report. Jennifer took this photo on Top of the Rock near Big Cedar Lodge in Branson.

Michael L. Parson
Governor



Cynthia A. Dixon
Division Director

Sarah H. Steelman
Commissioner

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I am honored to present the Missouri State Recycling Program's Annual Report.

In accordance with RSMo 34.031, the Office of Administration is submitting the Fiscal Year 2019 (FY19) Annual Recycling Report to summarize state government's accomplishments in the areas of recycling, waste reduction, and recycled content product procurement.

State law directs state agencies to implement policies for recycling, waste reduction, and procurement of recycled content products. The Missouri State Recycling Program, administered by the Office of Administration, Division of General Services, is responsible for assisting state agencies in these areas. The State Recycling Program works cooperatively with the Missouri Interagency Recycling Committee (MIRC) to facilitate recycling and waste reduction by state employees.

As a result of the efforts of state employees and MIRC, we continue to develop the State's recycling collection infrastructure. State employees continue to reduce the amount of waste generated at state facilities and the related costs of waste disposal. Recycling and waste reduction highlights from FY19 include:

- 10,687,191 pounds of materials recycled
- 184 billion BTUs of energy saved from total pounds of material recycled. This is equivalent to the annual energy consumption of 2,011 homes
- \$15,972,984 of recycled-content products purchased
- \$92,818 in revenue generated for the state recycling fund
- \$333,547 in waste disposal costs avoided

We appreciate the support of the General Assembly in our recycling efforts.

Sincerely,

A handwritten signature in black ink that reads "Cynthia A. Dixon".

Cynthia A. Dixon
Division Director

MSRP ORGANIZATION

What is the Missouri State Recycling Program (MSRP)?

The Missouri State Recycling Program (MSRP) was established in 1989 when legislation added sections *34.031* and *34.032* to Chapter 34 of the Missouri Revised Statutes.

Mission Statement

MSRP partners with state employees and agencies to facilitate fiscally and environmentally responsible strategies for reuse and recycling of state property.

Who is the MSRP?

There are three components to the MSRP's organizational chart.

- The state recycling manager and communications coordinator are dedicated to the planning and administration of recycling and waste-reduction activities.
- The Missouri Interagency Recycling Committee (MIRC) serves an important purpose by providing input on recycling initiatives and communicating with state employees about various recycling programs.
- The efforts of state employees to recycle ensures the success of any recycling initiative. State employees who recycle are considered a part of MSRP.

What is the Missouri Interagency Recycling Committee (MIRC)?

MIRC was established in 1994. It was recognized that the MSRP needed a way to communicate procurement and recycling policies throughout state government. MIRC is a vital component of the MSRP and meets regularly to discuss recycling collection, waste reduction, recycling market conditions, and recycled product procurement.

Who is MIRC?

The recycling committee is composed of representatives from various state departments (executive, judicial, and legislative).

RIGHT: A full list of MIRC members can be found by visiting the Missouri State Recycling Program website.



RECYCLING CHAMPIONS

2019 Recycling Champions Awards

The Missouri State Recycling Program annually recognizes state agencies and employees for excellence in recycling. The purpose of this award is to recognize those who have made outstanding contributions in the areas of waste reduction and recycling. The State Recycling Program congratulates the 2019 recycling champions on this well deserved honor.



ABOVE: (L-R) OA Commissioner Sarah Steelman, Aaron Stalter, Phil Seeley, Amy Raburn, Steve Siegler, Angie Craig, Russell Blair, Lynn Ratchford, Leslie Berhorst, Kristie Bailey, and Missouri State Recycling Program Director Rob Didriksen.

BELOW: Sharon Hultberg, of Washington State Park, stands with the award she received for her recycling efforts.

Team Award

The Information Technology Service Division (ITSD) of the Office of Administration continues to impress the Missouri Interagency Recycling Committee, with its proven track record of reuse and recycling. From office paper to scrap electronics, numerous employees in different sections of ITSD have stepped up to the plate to ensure that materials are recycled. One of the outstanding characteristics of this team effort is that recycling processes and procedures are communicated from one generation of employees to the next.

Individual Award

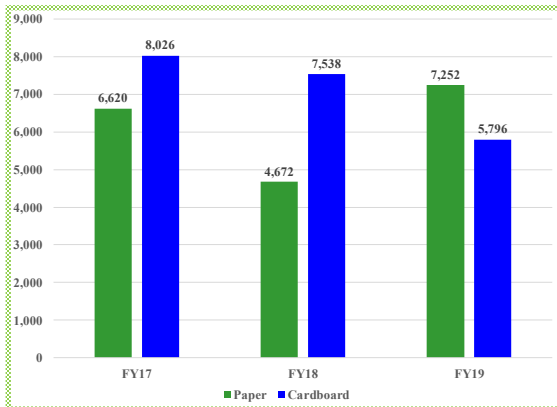
For several years, Sharon Hultberg, has worked to incorporate sustainable money-saving practices-including recycling-into the daily operations of Washington State Park (WSP). Her practices have saved the park in disposal fees by recycling thousands of pounds of material each year. Visitors see many of these sustainable practices when they visit the state park.



POUNDS RECYCLED



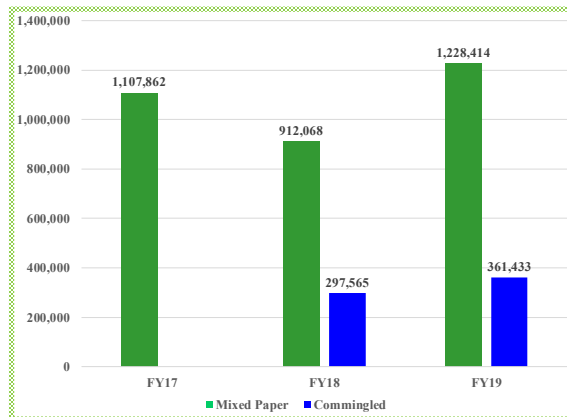
Kansas City Recycling



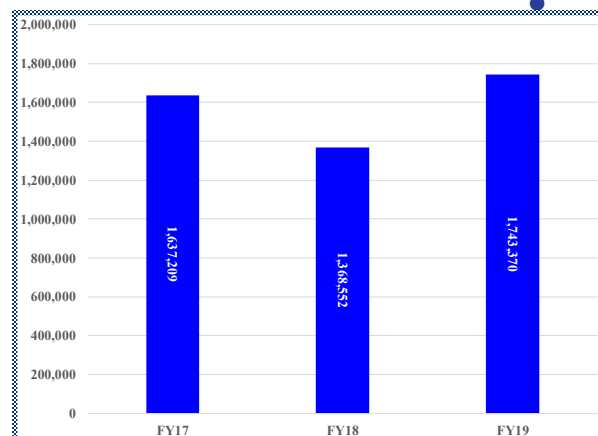
St. Louis Recycling



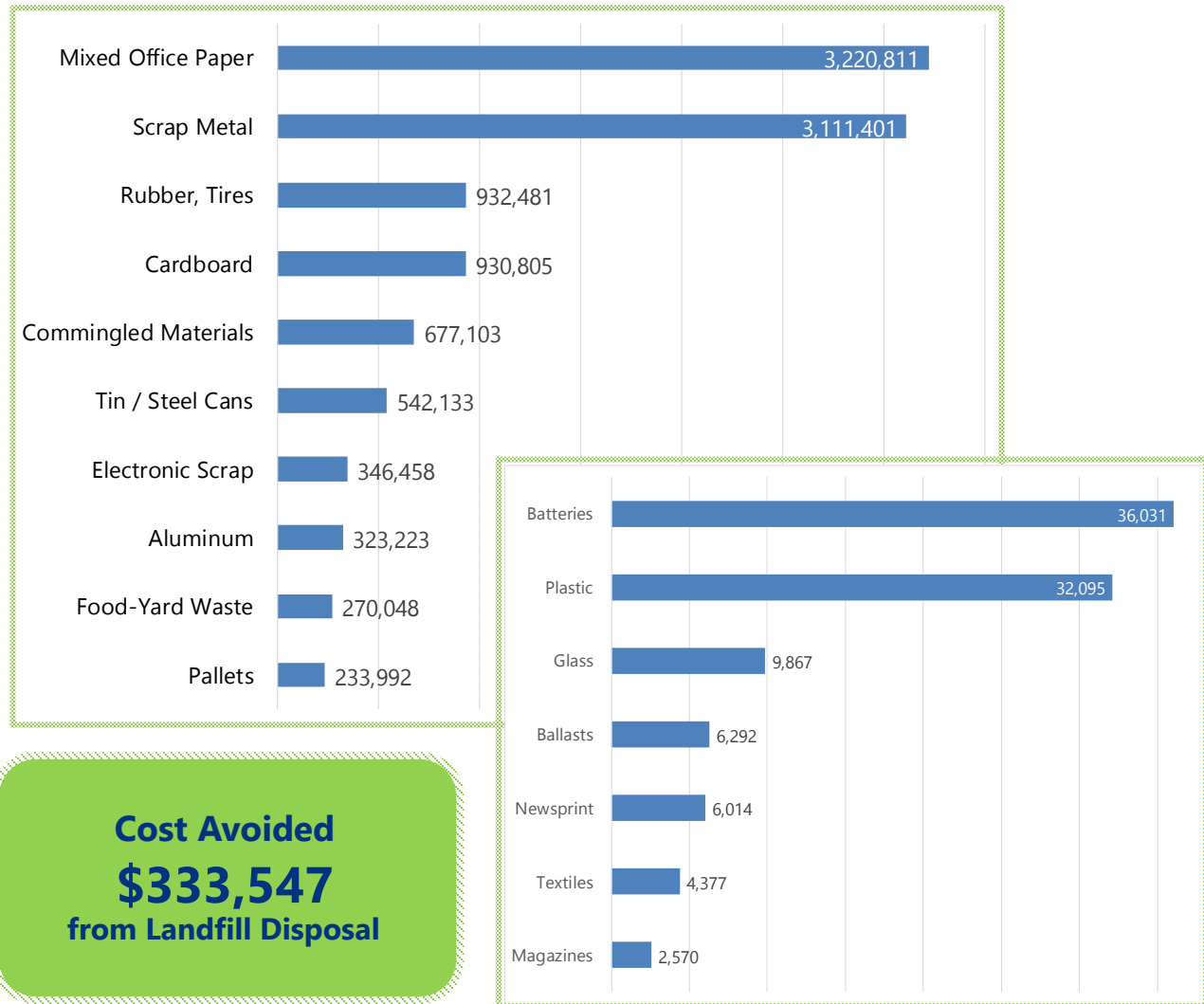
Jefferson City Recycling



Combined Recycling Contract Totals



POUNDS RECYCLED



Explanation of the Numbers

Information about pounds of material presented on this page is not comprehensive. For the complete list of materials recycled please see the appendices.

* Cost avoided is determined by multiplying the number of tons recycled (5,344) by the average tipping fee charged to waste haulers in Missouri. Tipping fees are paid by waste haulers for each ton of trash disposed in Missouri's landfills. The average tipping fee in Missouri in 2019 was \$62.42~

~Environmental Research & Education Foundation (2019) "Analysis of MSW Landfill Tipping Fees - April 2019".*

PROCUREMENT



Recycled Carpet Tiles

State agencies spent more than \$125,000 in FY19 on carpet tiles made with recycled materials. Over the past several years the Missouri State Recycling Program has partnered with Facilities Management to recycle several truckloads of old carpet tiles. The state of Missouri actively participated in a closed-loop recycling process where old carpet tiles were recycled and then new carpet tiles made from recycled materials were purchased.

RIGHT: These carpet tiles, which were installed throughout state buildings, were manufactured from recycled materials.



LEFT: Missouri's Bicentennial license plates are made with 76% post-consumer recycled aluminum. Photo courtesy of the Missouri Department of Revenue.

Recycled License Plates

The Missouri Department of Corrections, Missouri Department of Revenue, and Missouri Department of Transportation spent more than \$11.5 million on license plates made from 76 percent post-consumer recycled aluminum. Since producing recycled aluminum is 92 percent more energy efficient* than making new aluminum, Missouri's purchase of recycled license plates results in significant energy savings.

*aluminum.org/sustainability/aluminum-recycling

CRT Monitor & TV Recycling

Missouri is home to the only lead smelter in the United States that continues to accept leaded glass from televisions and computer monitors. Cathode-Ray Tube (CRT) televisions and computer monitors are shipped from throughout the country to be recycled in Missouri.

Through use of the state's electronics recycling contract, state agencies recycled nearly 300 monitors and TVs with leaded glass at this smelter in Southeast Missouri in FY19.

PARTNERSHIPS



New System Promotes Reuse

The State Recycling Program partnered with the Missouri State Agency for Surplus Property and Information Technology Service Division (ITSD) to create a new web-based application designed to make the transfer of surplus property from one state agency to another seamless.

MOREuse encourages reuse and recycling of state property and its use is limited to Missouri state employees. During fiscal year 2019, the estimated savings from agencies exchanging property on MOREuse was nearly \$300,000.



State Property Reuse Resource

To register as a MOREuse user, please visit [MOREuse.mo.gov](https://moreuse.mo.gov).

Earth Day 2019

State Recycling continued its partnership with the Missouri Department of Natural Resources (DNR) and the Jefferson City High School's Green Team to conduct the 12th annual Zero Waste Challenge at MDNR's annual Earth Day celebration in April.

During the Earth Day event, all waste (trash and recycled material) are audited and weighed. When comparing 2019 to 2018, there was a significant increase in the amount of material recycled and the amount of waste generated by each person dropped in 2019 (see information below).

2019 Earth Day | Zero Waste Challenge Numbers

56.2 Percent of Material Recycled

85.5 Pounds of Trash Generated

109.9 Pounds of Material Recycled

.19 Pounds of Waste Per Person

1,011 Earth Day Attendance



RIGHT: Jillian Hunt celebrates Earth Day, which was hosted at the Carnahan Memorial Garden at the Missouri State Capitol Complex.

AGENCY RECOGNITION

Missouri State Highway Patrol Recognized for Reducing Waste

The Missouri State Highway Patrol (MSHP) was honored by the Missouri Recycling Association at the annual state recycling conference with its annual Reduce Award.

While many agencies perform “normal” or “traditional” recycling efforts, the vast array of services provided, and wide-spread geographic location of facilities, make the Patrol’s recycling efforts extraordinary. Staff in the MSHP’s warehouse spearhead recycling efforts with leaders from various divisions, striving to maximize productivity while minimizing the time and effort required to keep various recycling systems working.

RIGHT: (Front L-R)

Kevin Klug, Maggie Eichholz, Rob Didriksen, Chris Terry, Larry Fowler, Curt Malzner, and Austin Distler.

(Back L-R) Chad Buschjost, Mark Morph, Shawn Cooksey, Michael Bardwell, Taylor Gillispie, Doug White, and Shane Alexander.



State Recycling Partners with Department of Natural Resources

The Missouri State Recycling Program partnered with the Missouri Department of Natural Resources’ Household Hazardous Waste Program (DNR HHW) for an America Recycles Day event. DNR’s HHW Program works to raise people’s awareness of products that pose a danger in the home. This partnership allowed information to be shared with several hundred employees that frequent the Harry S Truman building — the State of Missouri’s largest office building.



RIGHT: Racheal Ajayi, DNR’s HHW Coordinator

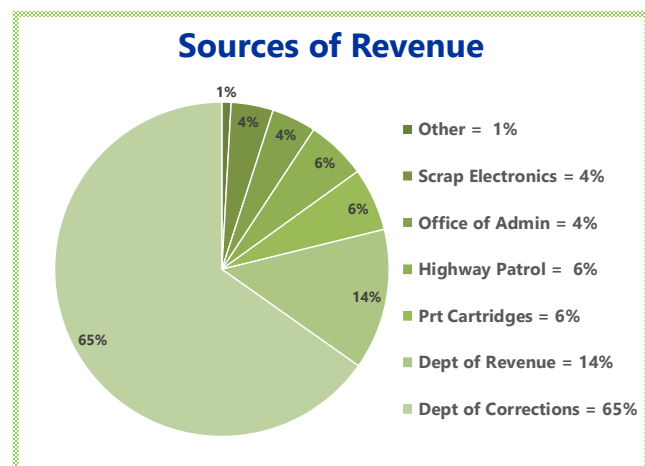
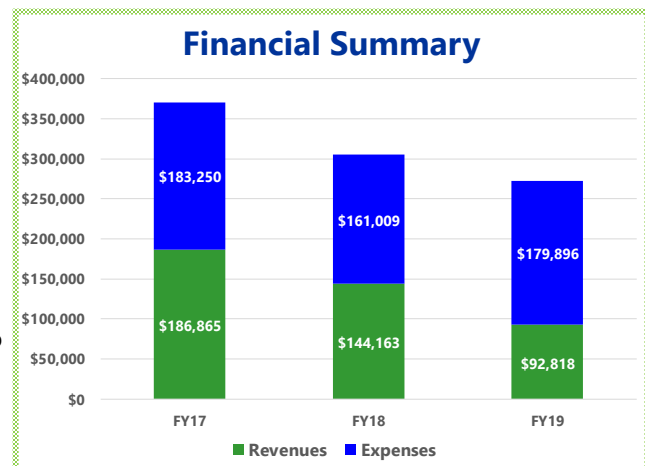
STATE RECYCLING FUND

Missouri's State Recycling Fund was established by RSMo 34.032 and states that "Proceeds from the sale of recycled materials may be used to offset costs of the recycling program."

While program revenues declined last fiscal year due to market conditions, the MSRP was able to sustain service offerings to agencies due to program reserves. The program is also rebidding the recycling collection contract for Jefferson City, which accounted for a large portion of prior year revenues as well as increased expenses. In FY19, recycling funds helped to further the following recycling efforts throughout state government:

- Nearly half of State Recycling's budget was spent to haul recyclable materials (Contracts to be rebid in 2020)
- Distributed more than 8,000 plastic bags for can, bottle, and paper collection
- Purchased more than 200 recycling containers
- Distributed nearly 300 recycling labels and signs
- Forklift maintenance for recycling operations at Northeast and Tipton Correctional Centers
- Fluorescent lamp and PCB ballast recycling/disposal
- Purchase of baling supplies for a dozen balers installed throughout state government operations
- Supplies for an in-vessel composter located at Ozark Correctional Center

Expenses listed in the bar chart at the top of this page include operations, salary, fringe, and fund transfers to the Heating Assistance Program. The top three sources of revenue in FY19 were the Department of Corrections (65%), Department of Revenue (14%), and printer cartridges (6%).



Contributions to the Heating Assistance Program (Utilicare)

Excess revenues from the sale of recyclable materials are transferred to the Heating Assistance Program (HAP) managed by the Missouri Department of Social Services pursuant to RSMo 34.032. The HAP, also known as Utilicare, provides financial assistance to low-income Missourians for heating their homes during winter months. As a result of state employee recycling efforts, the MSRP made a \$30,000 contribution to the HAP in FY19. Money transferred to the HAP in FY19 will help approximately 150 Missouri households.



RECYCLING RESOURCES

Missouri State Recycling Program

Office of Administration

Division of General Services

Internet: <http://oa.mo.gov/general-services/missouri-state-recycling-program>

Email: recycling@oa.mo.gov

Phone: 573-751-3384

The Missouri State Recycling Program (**MSRP**) works with state agencies to increase purchases of recycled content products, reduce their waste stream and increase collection of materials for recycling. The MSRP website is a good resource for state contracts that offer recycled-content products as well as recycling services.

Environmental Improvement and Energy Resources Authority / Market Development Program

Internet: <http://eiera.mo.gov/mo-market-dev-program/>

Email: eiera@dnr.mo.gov

Phone: 573-751-4919

The Missouri Market Development Program promotes the development of markets for recovered materials and recycled content products throughout Missouri by providing businesses, governments, and other organizations with financial assistance and information services.

Waste Management Program

Missouri Department of Natural Resources

Internet: <http://www.dnr.mo.gov/env/swmp/index.html>

Email: swmp@dnr.mo.gov

Phone: 800-361-4827 or 573-751-5401

The Solid Waste Management Program (SWMP) works with citizens, businesses, industry, and government to continue increasing material reuse and recycling. The SWMP website is an excellent resource for information dealing with all aspects of solid waste management in Missouri.

Missouri Vocational Enterprises (MVE)

Missouri Department of Corrections

Internet: <http://www.doc.mo.gov/mve>

Phone: 800-392-8486 or 573-751-6663

The Department of Corrections vocational training program offers the following products and services that meet "buy recycled" criteria. MVE products and services are only available to state agencies and other tax-supported entities.

MVE Recycled-Content Products

- Park Bench & Picnic Table: Recycled Plastic
- Cardboard boxes: 65 percent post-consumer content
- Plastic bags: 30 percent recycled material
- Metal products: 28 percent post-consumer content
- Toilet paper: 100 percent recycled material
- Envelopes: 30 percent post-consumer content

MVE Recycling/Remanufacturing/ Refurbishing Services

- Toner Cartridge Refill Service
573-751-3224 ext. 1260
- Furniture & Office Panel (cubicle) Refurbishing
573-751-6663 or 800-392-8486

APPENDICES



Appendix A: Department reports of materials recycled

- Pounds
- Number of Items
- Gallons

Appendix B: Department reports of recycled-content product procurement

- Non-Paper Recycled-Content Products Procured
- Recycled-Content Paper Products Procured

[Appendices can be viewed by visiting the Missouri State Recycling website.](#)